

Native Red algae B-Phycoerythrin protein

Cat. No. BPE-138 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Red algae B-Phycoerythrin was purified from Red algae. Absorption Maximum: 545 nm± 2nm. Emission Maximum: 574 nm± 2nm. Extinction Coefficient: 2.41 x 10 ⁶ cm ⁻¹ M ⁻¹ .
Species	Red algae
Source	Red Algae
Description	B-Phycoerythrin (BPE) is isolated from a specifically chosen species of red algae because it yields one of the most highly fluorescent molecules of the BPEs. It is fluorescent, with an extremely high absorbtivity, a high quantum efficiency, a large Stokes shift and excitation and emission bands at visible wavelengths. Without altering its spectral characteristics, it is a stable protein which can be easily linked to antibodies and other proteins by conventional protein cross-linking techniques.
Form	Supplied in 100 mM sodium phosphate buffer pH7.0 with 60% ammonium sulfate, 1mM EDTA, and 1mM sodium azide.
Molecular Mass	240 kDa
Purity	A545/A280 ≥ 5.5 A565/A545 ≤ 1.0 A620/A545 ≤ 0.005
Notes	B-PE is stored in ammonium sulfate solution. Therefore, B-PE needs to be re-

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suspended until no visible precipitates. Firstly, it must be extensively dialyzed prior to use or column to remove any remaining ammonium sulfate. Use PBS or your conjugation buffer (1 ml of B-PE to 1 liter of buffer) to dialyze at least two changes of buffer.

Stability

2 years under proper storage conditions.

Storage

Store at 4 centigrade, away from light. Do not freeze.
For research or further manufacturing use only.

Concentration

15 mg/ml

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